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 # 12

RAW SEQUENCE LISTING   DATE: 02/05/2002
PATENT APPLICATION: US/09/592,695A   TIME: 11:57:33

Input Set : A:\P1762R1 US.txt
Output Set: N:\CRF3\02052002\I592695A.raw

p.6

```
 3 <110> APPLICANT: Cochran, Andrea G.
 4        Skelton, Nicholas J.
 5        Starovasnik, Melissa A.
 7 <120> TITLE OF INVENTION: Structured Peptide Scaffold For Displaying Turn
 8        Libraries On Phage
10 <130> FILE REFERENCE: P1762R1 US
12 <140> CURRENT APPLICATION NUMBER: US 09/592,695A
13 <141> CURRENT FILING DATE: 2000-06-13
15 <150> PRIOR APPLICATION NUMBER: US 60/139,017
16 <151> PRIOR FILING DATE: 1999-06-14
18 <160> NUMBER OF SEQ ID NOS: 25
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 10
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: turn peptide
28 <220> FEATURE:
29 <221> NAME/KEY: UNSURE
30 <222> LOCATION: 2, 9
31 <223> OTHER INFORMATION: Xaa at positions 2 or 9 is Trp, Tyr, Phe, His, Ile, Val or
Thr.
33 <220> FEATURE:
34 <221> NAME/KEY: UNSURE
35 <222> LOCATION: 3, 8
36 <223> OTHER INFORMATION: Xaa at positions 3 or 8 is Trp, Tyr, Phe, Leu, Met, Ile or
Val.
38 <400> SEQUENCE: 1
39 Cys Xaa Xaa Glu Gly Asn Lys Xaa Xaa Cys
40   1           5               10
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 10
44 <212> TYPE: PRT
45 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
48 <223> OTHER INFORMATION: turn peptide
50 <400> SEQUENCE: 2
51 Cys Thr Trp Glu Gly Asn Lys Leu Thr Cys
52   1           5               10
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 12
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
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60 <223> OTHER INFORMATION: turn peptide

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 62 <400> SEQUENCE: 3
 63  Ser Cys Thr Trp Glu Gly Asn Lys Leu Thr Cys Lys
 64    1             5                  10
 66 <210> SEQ ID NO: 4
 67 <211> LENGTH: 10
 68 <212> TYPE: PRT
 69 <213> ORGANISM: Artificial Sequence
 71 <220> FEATURE:
 72 <223> OTHER INFORMATION: turn peptide
 74 <400> SEQUENCE: 4
 75  Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys
 76    1             5                  10
 78 <210> SEQ ID NO: 5
 79 <211> LENGTH: 10
 80 <212> TYPE: PRT
 81 <213> ORGANISM: Artificial Sequence
 83 <220> FEATURE:
 84 <223> OTHER INFORMATION: turn peptide
 86 <400> SEQUENCE: 5
 87  Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys
 88    1             5                  10
 90 <210> SEQ ID NO: 6
 91 <211> LENGTH: 12
 92 <212> TYPE: PRT
 93 <213> ORGANISM: Artificial Sequence
 95 <220> FEATURE:
 96 <223> OTHER INFORMATION: turn peptide
 98 <400> SEQUENCE: 6
 99  Ser Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys Lys
100    1             5                  10
102 <210> SEQ ID NO: 7
103 <211> LENGTH: 12
104 <212> TYPE: PRT
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: turn peptide
110 <400> SEQUENCE: 7
111  Ser Cys Thr Asn Gln Gly Ser Phe Leu Thr Cys Lys
112    1             5                  10
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 12
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: turn peptide
122 <400> SEQUENCE: 8
123  Ser Cys Gly Trp Gln Gly Ser Phe Leu Thr Cys Lys
124    1             5                  10
126 <210> SEQ ID NO: 9
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/592,695A

DATE: 02/05/2002
TIME: 11:57:33

Input Set : A:\P1762R1 US.txt
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127 <211> LENGTH: 12
128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: turn peptide
134 <400> SEQUENCE: 9
135  Ser Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys Lys
136    1             5                   10
138 <210> SEQ ID NO: 10
139 <211> LENGTH: 12
140 <212> TYPE: PRT
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: turn peptide
146 <400> SEQUENCE: 10
147  Ser Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys Lys
148    1             5                   10
150 <210> SEQ ID NO: 11
151 <211> LENGTH: 12
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: turn peptide
158 <400> SEQUENCE: 11
159  Ser Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys Lys
160    1             5                   10
162 <210> SEQ ID NO: 12
163 <211> LENGTH: 10
164 <212> TYPE: PRT
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: turn peptide
170 <400> SEQUENCE: 12
171  Cys Thr Lys Val Trp Gln Leu Trp Thr Cys
172    1              5                  10
174 <210> SEQ ID NO: 13
175 <211> LENGTH: 12
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: turn peptide
182 <400> SEQUENCE: 13
183  Ser Cys Thr Trp Val Trp Gln Leu Leu Thr Cys Lys
184    1             5                   10
186 <210> SEQ ID NO: 14
187 <211> LENGTH: 12
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 02/05/2002
PATENT APPLICATION: US/09/592,695A   TIME: 11:57:33

Input Set : A:\P1762R1 US.txt
Output Set: N:\CRF3\02052002\I592695A.raw

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192 <223> OTHER INFORMATION: turn peptide
194 <400> SEQUENCE: 14
195  Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
196    1               5                     10
198 <210> SEQ ID NO: 15
199 <211> LENGTH: 12
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: turn peptide
206 <400> SEQUENCE: 15
207  Ser Cys Thr Trp Gly Pro Leu Thr Leu Thr Cys Lys
208    1               5                     10
210 <210> SEQ ID NO: 16
211 <211> LENGTH: 10
212 <212> TYPE: PRT
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: turn peptide
218 <220> FEATURE:
219 <221> NAME/KEY: UNSURE
220 <222> LOCATION: 3
221 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Leu, Val, Thr or Asp.
223 <400> SEQUENCE: 16
224  Cys Thr Xaa Glu Gly Asn Lys Leu Thr Cys
225    1               5                     10
227 <210> SEQ ID NO: 17
228 <211> LENGTH: 10
229 <212> TYPE: PRT
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: turn peptide
235 <220> FEATURE:
236 <221> NAME/KEY: UNSURE
237 <222> LOCATION: 3
238 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Leu, Val, Thr or Asp.
240 <400> SEQUENCE: 17
241  Cys Thr Xaa Glu Asn Gly Lys Leu Thr Cys
242    1               5                     10
244 <210> SEQ ID NO: 18
245 <211> LENGTH: 10
246 <212> TYPE: PRT
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: turn peptide
252 <220> FEATURE:
253 <221> NAME/KEY: UNSURE
254 <222> LOCATION: 3
255 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Leu, Val, Thr or Asp.
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257 <400> SEQUENCE: 18
258  Cys Thr Xaa Glu Pro Asn Lys Leu Thr Cys
259    1           5                   10
261 <210> SEQ ID NO: 19
262 <211> LENGTH: 10
263 <212> TYPE: PRT
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: turn peptide
269 <220> FEATURE:
270 <221> NAME/KEY: UNSURE
271 <222> LOCATION: 3
272 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Leu, Val, Thr or Asp.
274 <400> SEQUENCE: 19
275  Cys Thr Xaa Glu Pro Gly Lys Leu Thr Cys
276    1           5                   10
278 <210> SEQ ID NO: 20
279 <211> LENGTH: 10
280 <212> TYPE: PRT
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: turn peptide
286 <220> FEATURE:
287 <221> NAME/KEY: UNSURE
288 <222> LOCATION: 3
289 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala
291 <400> SEQUENCE: 20
292  Cys Thr Xaa Glu Gly Asn Lys Leu Thr Cys
293    1           5                   10
295 <210> SEQ ID NO: 21
296 <211> LENGTH: 10
297 <212> TYPE: PRT
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: turn peptide
303 <220> FEATURE:
304 <221> NAME/KEY: UNSURE
305 <222> LOCATION: 8
306 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala.
308 <400> SEQUENCE: 21
309  Cys Thr Leu Glu Gly Asn Lys Xaa Thr Cys
310    1           5                   10
312 <210> SEQ ID NO: 22
313 <211> LENGTH: 10
314 <212> TYPE: PRT
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: turn peptide
320 <220> FEATURE:
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Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY   DATE: 02/05/2002
PATENT APPLICATION: US/09/592,695A   TIME: 11:57:34

Input Set : A:\P1762R1 US.txt
Output Set: N:\CRF3\02052002\I592695A.raw

```
L:39  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
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